

REMARKS

INTRODUCTION

In accordance with the foregoing, claims 26 and 28-30 have been amended, and claims 37-52 have been canceled without prejudice or disclaimer. No new matter is being presented, and approval and entry are respectfully requested.

Claims 1, 5-17, 20-31, 33-35, and 53-63 are pending and under consideration. Reconsideration is respectfully requested.

REJECTIONS UNDER 35 U.S.C. § 112

Claims 1, 5-17, 20-25, 27, 31, 33-35, 53-58, 60, and 61 stand rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. In particular, the Office Action states that the claimed "without a user input after the user issues the display command" in claims 1, 7, 12, 13, 17, 21, 27, 31, 22-35, 53, 55, and 57, is not supported by the original specification.

However, applicants respectfully point to paragraph [0033] in the specification, which particularly states "closing the display window of the program progress time information after the specified time interval has elapsed in step 162." Here, where user interaction is needed the specification clearly sets forth this requirement, and here, where operations are performed automatically the corresponding portion of the specification equally clearly sets forth this capability.

That is, the original specification teaches that when the specified time elapses, the progress time guide is closed without the user needing to do anything, and thus the closing operation performed automatically. Accordingly, the objected to recitations of the claims are adequately supported by the disclosure of the original specification.

Withdrawal of this rejection is respectfully requested.

REJECTIONS UNDER 35 U.S.C. § 102 and § 103

Claims 53-58 and 60 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Young, U.S. Patent No 5,727,060; claims 1, 5-12, and 61 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of Russo et al., and further in view of ATSC Digital Television Standard A/53; claims 13-17, 20, 23-25, 33, 35, 59, 62, and 63 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of ATSC Digital Television

Standard A/53; claims 21 and 34 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of Ellis et al., and further in view of ATSC Digital Television Standard A/53; claim 22 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of ATSC Digital Television Standard A/53, and further in view of Ellis et al.; claims 26 and 27 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of Sony Digital Satellite Receiver SAT-A1, and further in view of ATSC Digital Television Standard A/53; claim 28 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of Ellis et al., further in view of Sony Digital Satellite Receiver SAT-A1, and still further in view of ATSC Digital Television Standard A/53; claim 29 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of Sony Digital Satellite Receiver SAT-A1; claim 30 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of Ellis et al., and further in view of Sony Digital Satellite Receiver SAT-A1; and claim 31 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Young, in view of Ellis et al. These rejections are respectfully traversed.

By way of review, and only as an example, independent claim 53 sets forth:

A display device which displays program progress information of a current program, the display device comprising:

a receiver which receives the current program and at least one of a beginning time of the current program and a terminating time of the current program;

a display which displays the current program, and the program progress information of the current program, wherein the program progress information includes the beginning time of the current program, a current time, the terminating time of the current program and a progress bar indicating a progress time of the current program,

wherein the beginning time of the current program, the current time, and the terminating time of the current program are displayed in a numerical format, and

wherein the progress bar has a first end and a second end, and the beginning time is displayed in the numerical format at the first end of the progress bar and the terminating time is displayed in the numerical format at the second end of the progress bar, and the progress time of the current program is displayed on the progress bar between the first end and the second end,

wherein the program progress information is displayed transiently for a predetermined time in response to a display command set by a user and automatically disappears after said predetermined time has elapsed, without a user input after the user sets the display command.

By further way of review, one or more embodiments in the application set forth that time information (e.g., a display bar) about a currently viewed program is displayed and then disappears automatically without any additional input when predetermined time elapses. In

combination with all the remaining features of each independent claim it is respectfully submitted that all claimed feature in each independent claim is patentably distinguishable over the relied upon references, alone or in combination.

The cited reference Young merely discloses, in col. 27 line 30-38, that the Grazing Titles pop ups remain on the screen for two seconds and disappear, and that Grazing Title pop ups represent channel names (e.g., "COSBY SHOW" in FIG. 10) in pop up type when selecting a channel.

However, particularly within Young, the Grazing Title pop ups are considered different from the program note 70 including a display bar.

FIG. 11 of Young illustrates that the program note 70 is displayed if the Select key is pressed, and that when the select key is pressed a second time or the Cancel key is pressed, it disappears. The program note 70, however, does not disappear automatically as the presently claimed progress information.

Accordingly, it is respectfully submitted that Young fails to disclose that the progress information, or display bar, is displayed according to a display command and then disappears when predetermined time elapses without a user input, as set forth in the independent claims with differing scope and breadth. It is further respectfully submitted that the remaining relied upon references equally fails to disclose at least this deficient feature, alone or in combination.

In view of the above, as none of the relied upon references disclose or suggest the claimed 'disappear after said predetermined time has elapsed, without a user input after the user issues the display command,' as respectfully set forth in claims 1, 7, 12, 17, 21, 22, 26, 27, 28, 29, 30, 31, 33, 34, 35, 53, 57, 59 and 61, it is respectfully submitted that these independent claims are patentably distinguishable over the currently relied upon references. It is further respectfully submitted that the respective dependent claims are equally allowable based upon their features and their dependencies from allowable base claims.

Withdrawal of these rejections and allowance of all claims are respectfully requested.

CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

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If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

If there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

Respectfully submitted,

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